



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/586,693	09/08/2008	Johann Magg	2004P00165WOUS	8203
46726	7590	03/11/2011	EXAMINER	
BSH HOME APPLIANCES CORPORATION INTELLECTUAL PROPERTY DEPARTMENT 100 BOSCH BOULEVARD NEW BERN, NC 28562				SPURLOCK, BRETT SHANE
ART UNIT		PAPER NUMBER		
		3742		
NOTIFICATION DATE		DELIVERY MODE		
03/11/2011		ELECTRONIC		

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

NBN-IntelProp@bshg.com

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>
	10/586,693	MAGG ET AL.
	<b>Examiner</b> BRETT SPURLOCK	Art Unit 3742

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on 17 December 2010.
- 2a) This action is FINAL.      2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 22-30 and 32-42 is/are pending in the application.
  - 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) \_\_\_\_\_ is/are allowed.
- 6) Claim(s) 22-30 and 32-42 is/are rejected.
- 7) Claim(s) \_\_\_\_\_ is/are objected to.
- 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on 17 December 2010 is/are: a) accepted or b) objected to by the Examiner.
 

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) All    b) Some \* c) None of:
    1. Certified copies of the priority documents have been received.
    2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-946)
- 3) Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) Interview Summary (PTO-413)  
Paper No(s)/Mail Date \_\_\_\_\_
- 5) Notice of Informal Patent Application
- 6) Other: \_\_\_\_\_

## DETAILED ACTION

### *Drawings*

1. The drawings were received on 12/17/2010. These drawings are accepted.

### *Claim Rejections - 35 USC § 102*

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 22-30 and 34-42 are rejected under 35 U.S.C. 102(b) as being anticipated by Liverani (US 5738001 A) (hereinafter Liverani).

Liverani discloses a method for controlling (14A "control system") heating processes in a coffee machine (see Fig. 1-3 and/or title) which is (particularly) suitable for preparing coffee on the basis of coffee pads (see col. 1, line 15), wherein the coffee machine comprises a continuous flow heater (6 and/or 7 and/or 12) having an adjustable heating power (15 and see col. 1, lines 23-26) and a pump (6) for conveying water through the continuous flow heater, the method comprising the acts of: measuring a first temperature (see col. 4, lines 48-55) in at least one of the area (Fig. 3; 13A) of the continuous flow heater and the water conveyed by the pump; and influencing the amount of water conveyed by the pump in response to the first temperature (as described in col. 1, line 9 - col. 2, line 31 and especially col. 1, lines 33-44 and see col. 4, lines 48-55); an electronic control device (14A) for controlling heating process in a coffee machine for preparing coffee using coffee pads (col. 5, lines 61-62); a second

temperature sensor (Fig. 1, 3; 13) located between the continuous heater and the brew chamber (3) which measures a second temperature (also see col. 4, lines 3-15) and influencing at least one of the amount of water conveyed by the pump and the heating power in response to the second temperature (col. 4 line 60 - col. 5 line 50); the pump is pulsed (col. 4, lines 3-16); the time that the pump is on will vary based on the temperature desired and/or the temperatures measured at the sensors (13 and 13a) (as described in col. 5, lines 3-50).

***Claim Rejections - 35 USC § 103***

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 32-33 are rejected under 35 U.S.C. 103(a) as being unpatentable over Liverani as applied to claims 22-30 above, and further in view of Harrison (US 5417152 A) (hereinafter Harrison).

Liverani discloses the claimed invention except for a means for restricting fluid flow.

Harrison discloses a potentiometer slider (324) which controls the speed of the flow based on the pressure output as influenced by the voltage setting (col. 9, lines 3-8).

It would have been obvious to one of ordinary skill in the art at the time of the invention to have modified the fluid control system disclosed by Liverani by incorporating a slider as disclosed by Harrison to vary the fluid output of the pump.

***Response to Arguments***

6. Applicant's arguments filed 12/17/2010 have been fully considered but they are not persuasive.

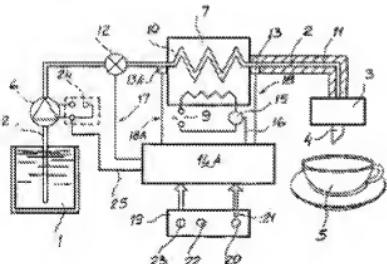
In view of the respective amendments, the drawings and specification are accepted; the respective objections are withdrawn. The rejections under 35 U.S.C 112, second paragraph are also withdrawn in view of the amended claims.

In response to the rejection under 102(b) as anticipated by Liverani applicant traverses the rejection of independent claim 22.

Applicant states that, "Liverani does not disclose a method including measuring a first temperature in at least one of the area of the continuous flow heater and the water conveyed by the pump; and influencing the amount of water conveyed by the pump in response to the first temperature, as recited in claim 22." [SIC]

In Fig. 3, taken from Liverani as shown below, 13A is a first temperature sensor which is located at the inlet of the continuous water heater and 13 is a second temperature sensor located at the outlet of the continuous water heater. Clearly the first part of the limitation has been met.

Fig. 3



Applicant proceeds to quote the sections of the Liverani which were cited in the previous Office Action. On page 12, within the section underlined, Applicant states that the "control device is programmed so as to process the signals received from the clock and the temperature sensor according to a given algorithm (SIC)." As can also be seen in Fig. 3, 18 and 18A respectively connect 13 and 13A to the controller 14A; special note should be paid to the fact that Liverani states that 18 and 18A are "the conductors that connect the temperature sensor to the control device (14)." Furthermore, as recited in column 4, lines 47-55 of Liverani:

The control system 14A allows various function modes for the machine. Of these modes at least 4 depend on the detection of the coffee machine function parameters (such as the flow of water in duct 2 controlled by means of the water delivery counter 12 and the water temperature measured at the exit of the heat exchanger and that may oscillate around the reference temperature as controlled by means of sensor 13). [SIC]

Applicant's arguments are not persuasive.

***Conclusion***

7. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to BRETT SPURLOCK whose telephone number is (571)270-1387. The examiner can normally be reached on M-TH, M-F, 8:00-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tu Hoang can be reached on 5712724780. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/BRETT SPURLOCK/  
Examiner, Art Unit 3742  
2/14/2011

/SANG Y PAIK/  
Primary Examiner, Art Unit 3742